Rishub Nahar

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Education

New York University 2017 - 2021
B.A in Computer Science B.S in Statistics
GPA: 3.94 SAT: 2400

Experience

Neighborly - San Francisco, CA Summer 2019
Software Engineering Intern, 8VC Engineering Fellow

- Built referral system API that has **increased monthly customer sign ups by 10%**. Involved building product from scratch, collecting user feedback, and analyzing KPI's to improve user experience. Graphql, Golang
- Constructed ETL pipeline to identify potential under banked areas in target markets. Saved business from spending resources in high risk areas. Python

Applecart - New York, NY Summer 2018
Software Engineering Intern

- Developed web app and indexing schema that reduced querying time of a company data set with **230 million records by up to 50%**. Python, React, Elasticsearch
- Created Python testing suite for web scraper of a key alternative data source. Caught bug that had previously caused the scraper to process entries multiple times, thus improving run time by 15%. Apache Pulsar, Redis, Python

National Institutes of Health - Frederick, MD Summer 2017
Software Engineering Intern

- Co-authored paper on RNA species identification
- Created an algorithm to identify potential genetic sequencing errors. Python

Projects

Computer Vision Trash Can - PennApps Grand Prize Winner

- Demo: https://bit.ly/2zmalye
- 1st place out of over 150 teams in largest collegiate hackathon, PennApps
- Created smart trash can which uses computer vision models to automatically sort between trash and recycled items. Python, Tensorflow
- Received $5000 funding from NYU to iterate prototype and launch pilot program on campus

Geolocalized Market Place - TechCrunch Disrupt Global Hackathon - Top 30

- Project: devpost.com/software/geoworx
- Developed geo-localized market app that allows people to accept and post job requests to nearby viewers. Angular, Javascript

Utility Stock Trading Strategy

- Writeup: rishubnahar.com/blog/utilityML.html
- Created trading strategy based off of logistic regressions and principal component analysis to predict buy and sell signals for utility companies in the S&P 500. Outperformed long only strategy in 15 year backtest. Python, R

Publications

Self-Tuning Spectral Clustering for Full-length Viral Quasispecies Reconstruction with PacBio Long Reads - X. Jiao, R. Nahar, T. Rehman, B. Sherman, H. Imamichi

Skills:

Java, Python, C, Golang, React, Django, R, HTML, CSS, Javascript